

# Chen Chen

## List of Publications by Year in descending order

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49  
papers

4,359  
citations

201385

27  
h-index

233125

45  
g-index

49  
all docs

49  
docs citations

49  
times ranked

3829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local Binary Patterns and Extreme Learning Machine for Hyperspectral Imagery Classification. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 3681-3693.	2.7	565
2	UTD-MHAD: A multimodal dataset for human action recognition utilizing a depth camera and a wearable inertial sensor. , 2015, , .		427
3	Real-time human action recognition based on depth motion maps. Journal of Real-Time Image Processing, 2016, 12, 155-163.	2.2	234
4	SuperPCA: A Superpixelwise PCA Approach for Unsupervised Feature Extraction of Hyperspectral Imagery. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4581-4593.	2.7	233
5	Gabor Convolutional Networks. IEEE Transactions on Image Processing, 2018, 27, 4357-4366.	6.0	230
6	Improving Human Action Recognition Using Fusion of Depth Camera and Inertial Sensors. IEEE Transactions on Human-Machine Systems, 2015, 45, 51-61.	2.5	221
7	Spectral-Spatial Classification of Hyperspectral Image Based on Kernel Extreme Learning Machine. Remote Sensing, 2014, 6, 5795-5814.	1.8	214
8	Action Recognition from Depth Sequences Using Depth Motion Maps-Based Local Binary Patterns. , 2015, , .		145
9	Scene classification using local and global features with collaborative representation fusion. Information Sciences, 2016, 348, 209-226.	4.0	141
10	Single Image Super-Resolution via Locally Regularized Anchored Neighborhood Regression and Nonlocal Means. IEEE Transactions on Multimedia, 2017, 19, 15-26.	5.2	140
11	A Real-Time Human Action Recognition System Using Depth and Inertial Sensor Fusion. IEEE Sensors Journal, 2016, 16, 773-781.	2.4	137
12	Land-use scene classification using multi-scale completed local binary patterns. Signal, Image and Video Processing, 2016, 10, 745-752.	1.7	132
13	Hyperspectral Image Classification in the Presence of Noisy Labels. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 851-865.	2.7	131
14	Remote Sensing Image Scene Classification Using Multi-Scale Completed Local Binary Patterns and Fisher Vectors. Remote Sensing, 2016, 8, 483.	1.8	126
15	SRLSP: A Face Image Super-Resolution Algorithm Using Smooth Regression With Local Structure Prior. IEEE Transactions on Multimedia, 2017, 19, 27-40.	5.2	126
16	Fusion of Inertial and Depth Sensor Data for Robust Hand Gesture Recognition. IEEE Sensors Journal, 2014, 14, 1898-1903.	2.4	122
17	Fast Single Image Super-Resolution via Self-Example Learning and Sparse Representation. IEEE Transactions on Multimedia, 2014, 16, 2178-2190.	5.2	110
18	Spectral-Spatial Preprocessing Using Multihypothesis Prediction for Noise-Robust Hyperspectral Image Classification. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 1047-1059.	2.3	65

#	ARTICLE	IF	CITATIONS
19	Rain-Free and Residue Hand-in-Hand: A Progressive Coupled Network for Real-Time Image Deraining. IEEE Transactions on Image Processing, 2021, 30, 7404-7418.	6.0	64
20	Noise robust position-patch based face super-resolution via Tikhonov regularized neighbor representation. Information Sciences, 2016, 367-368, 354-372.	4.0	61
21	A medication adherence monitoring system for pill bottles based on a wearable inertial sensor. , 2014, 2014, 4983-6.		57
22	Decomposition Makes Better Rain Removal: An Improved Attention-Guided Deraining Network. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 3981-3995.	5.6	54
23	ArcNet: Series AC Arc Fault Detection Based on Raw Current and Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2022, 18, 77-86.	7.2	53
24	Efficient Deep Learning of Nonlocal Features for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6029-6043.	2.7	51
25	Reconstruction of Hyperspectral Imagery From Random Projections Using Multihypothesis Prediction. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 365-374.	2.7	47
26	Multi-Temporal Depth Motion Maps-Based Local Binary Patterns for 3-D Human Action Recognition. IEEE Access, 2017, 5, 22590-22604.	2.6	39
27	Multispectral Satellite Image Denoising via Adaptive Cuckoo Search-Based Wiener Filter. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4334-4345.	2.7	36
28	Robust Hyperspectral Image Classification by Multi-Layer Spatial-Spectral Sparse Representations. Remote Sensing, 2016, 8, 985.	1.8	34
29	Robust 3D Action Recognition Through Sampling Local Appearances and Global Distributions. IEEE Transactions on Multimedia, 2018, 20, 1932-1947.	5.2	30
30	Deep Manifold Structure Transfer for Action Recognition. IEEE Transactions on Image Processing, 2019, 28, 4646-4658.	6.0	30
31	Home-based Senior Fitness Test measurement system using collaborative inertial and depth sensors. , 2014, 2014, 4135-8.		29
32	Fabric defect detection via low-rank decomposition with gradient information and structured graph algorithm. Information Sciences, 2021, 546, 608-626.	4.0	29
33	BDANet: Multiscale Convolutional Neural Network With Cross-Directional Attention for Building Damage Assessment From Satellite Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14.	2.7	25
34	Fabric defect inspection based on lattice segmentation and template statistics. Information Sciences, 2020, 512, 964-984.	4.0	23
35	Dynamic classifier selection using spectral-spatial information for hyperspectral image classification. Journal of Applied Remote Sensing, 2014, 8, 085095.	0.6	22
36	S <sup>3</sup> D: Scalable Pedestrian Detection via Score Scale Surface Discrimination. IEEE Transactions on Circuits and Systems for Video Technology, 2020, 30, 3332-3344.	5.6	21

#	ARTICLE	IF	CITATIONS
37	Multi-Scale Hybrid Fusion Network for Single Image Deraining. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 3594-3608.	7.2	21
38	Semisupervised Discriminant Multimanifold Analysis for Action Recognition. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2951-2962.	7.2	20
39	3D Action Recognition Using Multiscale Energy-Based Global Ternary Image. IEEE Transactions on Circuits and Systems for Video Technology, 2018, 28, 1824-1838.	5.6	18
40	Hyperspectral image classification based on volumetric texture and dimensionality reduction. Frontiers of Earth Science, 2015, 9, 225-236.	0.9	15
41	Bilateral Two-Dimensional Neighborhood Preserving Discriminant Embedding for Face Recognition. IEEE Access, 2017, 5, 17201-17212.	2.6	13
42	SLR: Semi-Coupled Locality Constrained Representation for Very Low Resolution Face Recognition and Super Resolution. IEEE Access, 2018, 6, 56269-56281.	2.6	12
43	Fabric Defect Detection via Low-Rank Decomposition With Gradient Information. IEEE Access, 2019, 7, 130423-130437.	2.6	12
44	Supervised bilateral two-dimensional locality preserving projection algorithm based on Gabor wavelet. Signal, Image and Video Processing, 2016, 10, 1441-1448.	1.7	11
45	Visual Explanation for Deep Metric Learning. IEEE Transactions on Image Processing, 2021, 30, 7593-7607.	6.0	8
46	Multi-Level Memory Compensation Network for Rain Removal via Divide-and-Conquer Strategy. IEEE Journal on Selected Topics in Signal Processing, 2021, 15, 216-228.	7.3	8
47	Nonlinear Classification of Multispectral Imagery Using Representation-Based Classifiers. Remote Sensing, 2017, 9, 662.	1.8	7
48	Dense Traffic Detection at Highway-Railroad Grade Crossings. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 15498-15511.	4.7	6
49	Static Human Detection and Scenario Recognition via Wearable Thermal Sensing System. Computers, 2017, 6, 3.	2.1	4